

AMENDMENTS TO THE SPECIFICATION

Please amend the specification by inserting the following paragraph at page 1, line 1:

--CROSS REFERENCE TO RELATED APPLICATION

This application is a continuation of copending U.S. patent application Serial No. 09/911,867, filed on July 24, 2001, the entire specification of which is incorporated herewith by reference. --

Please amend the specification at ¶ [009] beginning on page 4, line 1 as follows:

--[009] The limiting factor, thus far, in the ~~later~~ latter method has been the degree to which sensors are available which provide meaningful information concerning conditions within the field. For example, United States Patent No. 5,585,626 issued to Beck et. al., and United States Patent No. 5,763,873, likewise issued to Beck et al., discloses a sensor which detects plants in a field so that herbicide may be selectively applied to unwanted plants. Unfortunately, these devices discriminate only between soil and a plant. Thus, as a sprayer is passed over areas where there should only be bare soil, herbicide will automatically be applied to any plants detected. In practice, the sensors of the Beck '626 and '873 patents have proven to be temperature sensitive and thus, to require nearly continuous monitoring and regular re-adjustment while being used. Furthermore, due to the nature of these devices, the distance between the sensor and the ground must be maintained with a relatively high degree of precision. Another limitation is that presently, no such sensor exists for the application of nitrogen fertilizer.--